

15750 U.S.P.T.O.  
031004

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under  
37 CFR 1.53(b))

Attorney Docket No.

MCD111 DIV

First Inventor

Jeffrey J. NELSON

Title

INTERCONNECTION  
ARCHITECTURE FOR MANAGING  
MULTIPLE LOW BANDWIDTH  
CONNECTIONS OVER A HIGH  
BANDWIDTH LINK

Express Mail Label No.

EL533429706US

P 18

U.S.P.T.O.

10/11/04

**APPLICATION ELEMENTS**

Commissioner for Patents  
Mail Stop Patent Application  
Alexandria, VA 22313-1450

<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>3. <input checked="" type="checkbox"/> Specification [ total pages 34 ] (preferred Arrangement set forth below)</p> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R&amp;D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> <p>4. <input checked="" type="checkbox"/> Drawing(s) [ total sheets 6 ]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [ total pages 4 ]</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from prior appl. (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 18 completed)</li> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</li> </ul>	<p>6. <input type="checkbox"/> Application Data Sheet. (See 37 CFR 1.76)</p> <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul>
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**ACCOMPANYING APPLICATION PARTS**

<p>9. <input type="checkbox"/> Assignment Papers (coversheet/document(s))</p> <p>10. <input checked="" type="checkbox"/> 37 CFR. 3.73(b) Statement      <input checked="" type="checkbox"/> Power of Attorney</p> <p>11. <input type="checkbox"/> English Translation Document</p> <p>12. <input checked="" type="checkbox"/> IDS &amp; Form PTO/SB/08A      <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)</p> <p>16. <input type="checkbox"/> Nonpublication Request Under 35 USC 122(b)(2)(B)(i).Applicant must attach form PTO/SB/35</p> <p>17. <input checked="" type="checkbox"/> Other: Certificate of Mailing, Check for \$770.00</p>
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)      of prior application No: 09/502,947

Prior application information: Examiner: Thuan N. DU      Group/Art Unit: 2185

FOR CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number 25235

or  Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

Name (Print/Type)

Carol W. Burton

Registration No.

35,465

(Signature)

Date

March 10, 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 770.00)

Complete if Known	
Application Number	
Filing Date	March 10, 2004
First Named Inventor	Jeffrey J. NELSON
Examiner Name	
Art Unit	
Attorney Docket No.	MCD111 DIV

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																																	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account:					<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Description</td> <td>Fee Paid</td> </tr> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>SurchARGE - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>SurchARGE - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>Total Claims</td> <td>11</td> <td>-20 **</td> <td>= 0</td> <td>X 18.00</td> <td>= 0.00</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>-3 **</td> <td>= 0</td> <td>X 86.00</td> <td>= 0.00</td> <td>Processing fee under 37 CFR 1.17 (q)</td> <td></td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td>X</td> <td>=</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (1) (\$770.00)</td> <td colspan="5">SUBTOTAL (2) (\$0.00)</td> </tr> <tr> <td colspan="5">2. 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\*\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Carol W. Burton	Registration No. (Attorney/Agent)	35,465	Telephone	303.454.2454
Signature				Date	March 10, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	Confirmation No.
Inventor:	Jeffrey J. NELSON, et al.
Filed:	March 10, 2004
TC/A.U.	Title: INTERCONNECTION ARCHITECTURE FOR MANAGING MULTIPLE LOW BANDWIDTH CONNECTIONS OVER A HIGH BANDWIDTH LINK
Examiner:	
Docket No.	MCD111 DIV
Customer No.	25235

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop Patent Application  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the attached

1. Utility Patent Application Transmittal;
2. Specification (29 pages), Claims (4 pages), Abstract (1 page) and Drawings (6 sheets);
3. Fee Transmittal (2 copies);
4. Copy of Declaration (signed);
5. Copy of Power of Attorney by Assignee and Revocation of Previous Powers;
6. IDS and Form PTO/SB08/A;
7. Check for \$770.00;
8. Return Card; and

this Certificate of Mailing by Express Mail relating to the above application, were deposited as "Express Mail", Mailing Label No. EL533429706US with the United States Postal Service, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 10, 2004.

March 10, 2004

  
\_\_\_\_\_  
Carol W. Burton

March 10, 2004

  
\_\_\_\_\_  
Carol W. Burton, Reg. 35,465  
Hogan & Hartson, LLP  
1200 Seventeenth Street, Suite 1500  
Denver, CO 80202  
Telephone: (303) 454-2457  
Facsimile: (303) 899-7333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY

In re Application of:

Jeffrey J. NELSON, et al.

Serial No. 09/502,947

Filed: February 11, 2000

For: INTERCONNECTION  
ARCHITECTURE FOR MANAGING  
MULTIPLE LOW BANDWIDTH  
CONNECTIONS OVER A HIGH  
BANDWIDTH LINK

Examiner:

Art Unit: 2782

TRANSMITTAL OF POWER OF ATTORNEY  
& INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed herewith is a Power of Attorney by Assignee and Revocation of Previous Powers, granted a new Power of Attorney to the listed attorneys, and directing all further correspondence in this case to the following:

William J. Kubida  
Hogan & Hartson LLP  
One Tabor Center  
1200 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
(719) 448-5909

Please contact the undersigned with any questions relating thereto.

Respectfully submitted,



March 6, 2001

Carol W. Burton, Reg. No. 35,465  
Hogan & Hartson L.L.P.  
1200 17<sup>th</sup> Street, Suite 1500  
Denver, CO 80202  
Telephone: (303) 454-2454  
Facsimile: (303) 899-7333